

DRILL HOLES

PROJECT DESCRIPTION

GENERAL

THIS PROJECT INVOLVES THE INSTALLATION OF VIDEO DETECTION, ACCESSIBLE PEDESTRIAN SIGNALS AND LED COUNTDOWN PEDESTRIAN HEADS TO THE EXISTING TRAFFIC SIGNAL AT THE INTERSECTION OF MD 355 (ROCKVILLE PIKE) AND FIRST STREET/WOOTTON PKWY IN MONTGOMERY COUNTY. MD 355 IS ASSUMED TO RUN IN A NORTH-SOUTH DIRECTION.

INTERSECTION OPERATION

AN EXISTING CONTROLLER HOUSED IN A BASE MOUNTED CABINET SHALL REMAIN IN USE AT THIS LOCATION. THE INTERSECTION OPERATES IN A SPLIT PHASE MODE USING 6 NEMA PHASES. THE LEFT TURN PHASING ALONG EASTBOUND AND WESTBOUND MD 355 OPERATES AS EXCLUSIVE/PERMISSIVE PHASING. THE NORTHBOUND WOOTTON PKWY AND SOUTHBOUND FIRST STREET MOVEMENTS OPERATE AS SPLIT PHASING.

III. ACCESSIBLE PEDESTRIAN PUSHBUTTON STATION OPERATION:

WHEN THE PEDESTRIAN LOCATES AND PASSES THE PUSHBUTTON FOR AN EXTENDED TIME; THE STATION UNIT WILL ANNOUNCE THE FOLLOWING MESSAGES FOR EACH LEG OF THE INTERSECTION:

- NORTH LEG
WAIT: "WAIT TO CROSS ROCKVILLE AT WOOTTON"
WALK: RAPID TICK
- EAST LEG
WAIT: "WAIT TO CROSS FIRST AT ROCKVILLE"
WALK: RAPID TICK
- WEST LEG
WAIT: "WAIT TO CROSS WOOTTON AT ROCKVILLE"
WALK: RAPID TICK

THE WALK MESSAGE (RAPID TICK) WILL LAST FOR THE DURATION OF THE "WALK PHASE."

THE "APS" PUSHBUTTONS AND CENTRAL CONTROL UNIT SHOULD BE DELIVERED TO MR. KIETH LORD AT THE MONTGOMERY COUNTY TECHNICAL CENTER, 1283 SEVEN LOCKS ROAD, MD 20850 FOR PROGRAMMING AT LEAST THREE WEEKS PRIOR TO THE BEGINNING OF WORK.

NOTIFY KEITH LORD (301-279-1291) AND KAMAL HAMUD (240-777-8761) AT LEAST 72 HOURS PRIOR TO THE BEGINNING OF WORK.

EQUIPMENT LIST

A. EQUIPMENT TO BE FURNISHED BY SHA.

ITEM CODE	QTY	UNITS	DESCRIPTION
9570	10	SF	SHEET ALUMINUM SIGNS CONSISTING OF: 2 EA - R4-7 (24"X30") GROUND MOUNT

EQUIPMENT LIST

B. EQUIPMENT TO BE FURNISHED AND/OR INSTALLED BY THE CONTRACTOR.

ITEM CODE	QTY	UNITS	DESCRIPTION
1001	1	EA	MAINTENANCE OF TRAFFIC PER ASSIGNMENT
1002	500	LF	REMOVAL OF EXISTING PAVEMENT LINE MARKINGS, ANY WIDTH
2002	3	CY	TEST PIT EXCAVATION
5002	390	LF	12 INCH WHITE LEAD FREE REFLECTIVE THERMOPLASTIC PAVEMENT MARKINGS
5003	100	LF	24 INCH WHITE LEAD FREE REFLECTIVE THERMOPLASTIC PAVEMENT MARKINGS
6001	64	LF	STANDARD TYPE "A" COMBINATION CURB AND GUTTER (8" CURB & 12" GUTTER)
6002	600	SF	5 INCH CONCRETE SIDEWALK
8003	1	EA	2 WIRE CENTRAL CONTROL UNIT
8010	6	EA	AUDIBLE/TACTILE PEDESTRIAN PUSHBUTTON STATION AND SIGNS
8011	6	EA	BREAKAWAY PEDESTAL POLE (ANY SIZE)
8014	6	EA	LED 16" COUNTDOWN PEDESTRIAN SIGNAL HEAD
8015	10	EA	LED SIGNAL HEAD MODULES (ANY SIZE)
8016	1	EA	REMOVE AND DISPOSE OF EXISTING EQUIPMENT - PER ASSIGNMENT
8019	6	EA	VIDEO DETECTION CAMERA ARM
8027	60	LF	UP TO 4 INCH SCHEDULE 80 RIGID PVC - TRENCHED
8028	40	SF	DETECTABLE WARNING SURFACES
8031	32	LF	WOOD SIGN SUPPORT 4" X 4"
8033	60	LF	NO. 6 AWG STRANDED BARE COPPER GROUND WIRE
8045	10	SF	INSTALL GROUND MOUNTED SIGN
8046	6	SF	INSTALL OVERHEAD SIGN
8047	6	EA	VIDEO DETECTION CAMERA AND CABLE UP TO 500 FT
8055	1,580	LF	ELECTRICAL CABLE - 2 CONDUCTOR NO 14 AWG
8057	1,610	LF	ELECTRICAL CABLE - 5 CONDUCTOR NO 14 AWG
8058	450	LF	ELECTRICAL CABLE - 7 CONDUCTOR NO 14 AWG

C. ALL OTHER MATERIALS TO BE REMOVED BY THE CONTRACTOR SHALL BECOME THE PROPERTY OF THE CONTRACTOR.

SPECIAL NOTES

1. THE FOLLOWING CONTACT PERSONS FOR THIS PROJECT ARE AS FOLLOWS:
THE CONTACT PERSONS FOR SHA ARE AS FOLLOWS:

MR. JEFFERY WENTZ
ASSISTANT DIVISION ENGINEER
TRAFFIC
PHONE: 310-513-7358

MR. WAYNE MOWDY
ASSISTANT DISTRICT ENGINEER
MAINTENANCE
PHONE: 310-513-7304

MR. AUGIE REBISH
DISTRICT UTILITIES ENGINEER
PHONE: 310-513-7350

MR. KEVIN NOWAK
DISTRICT CONSTRUCTION ENGINEER
PHONE: 310-513-7385

MR. ROBERT SNYDER
ASSISTANT DIVISION CHIEF
TRAFFIC OPERATIONS DIVISION
PHONE: 410-787-7631

MR. EUGENE BAILEY
CHIEF, SIGN OPERATIONS
PHONE: 410-787-7676
MR. EDWARD RODENHIZER
CHIEF, SIGNAL OPERATIONS SECTION
PHONE: 410-787-7652

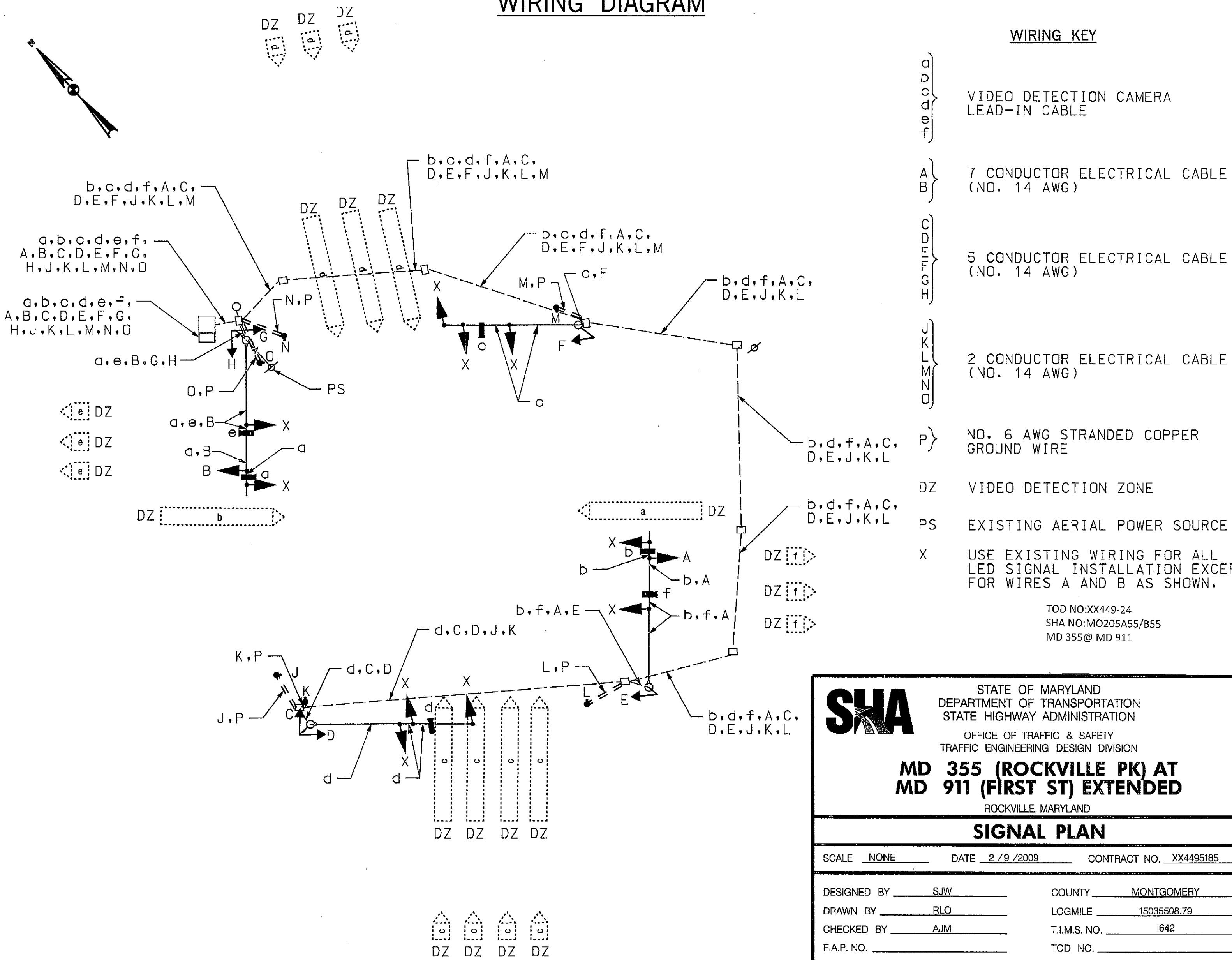
MR. KEITH LORD
MONTGOMERY COUNTY DOT
PHONE: 301-279-1291

MR. KAMAL HAMUD
MONTGOMERY COUNTY DOT
PHONE: 240-777-8761

PHASE CHART

	1	2	3	4	5	6	7	8	9	10	11	12	25	26	27	28	29	30
PHASE 1 AND 5	R	R	R	+GR	R	+GR	R	R	R	R	R	R	DW	DW	DW	DW	DW	DW
1 AND 5 MAY CHANGE TO 1 AND 6, 2 AND 5, OR 2 AND 6																		
PHASE 1 AND 6	R	R	R	+GG	+GG	G	R	R	R	R	R	R	DW	DW	DW	DW	DW	DW
1 AND 6 CHANGE	R	R	R	+YG	+YG	G	R	R	R	R	R	R	DW	DW	DW	DW	DW	DW
PHASE 2 AND 5	+GG	+GG	G	R	R	R	R	R	R	R	R	R	DW	DW	DW	DW	DW	DW
2 AND 5 CHANGE	+YG	+YG	G	R	R	R	R	R	R	R	R	R	DW	DW	DW	DW	DW	DW
PHASE 2 AND 6	G	G	G	G	G	G	R	R	R	R	R	R	WK	WK	WK	WK	DW	DW
PED CLEARANCE AND COUNTDOWN	G	G	G	G	G	G	R	R	R	R	R	R	FLDW	FLDW	FLDW	FLDW	DW	DW
2 AND 6 CHANGE	Y	Y	Y	Y	Y	Y	R	R	R	R	R	R	DW	DW	DW	DW	DW	DW
PHASE 3	R	R	R	R	R	R	G	G	G	R	R	R	DW	DW	DW	DW	DW	DW
3 CHANGE	R	R	R	R	R	R	Y	Y	Y	Y	R	R	DW	DW	DW	DW	DW	DW
PHASE 3 ALT	R	R	R	R	R	R	G	G	G	R	R	R	DW	DW	DW	DW	WK	WK
PED CLEARANCE AND COUNTDOWN	R	R	R	R	R	R	G	G	G	R	R	R	DW	DW	DW	DW	FLDW	FLDW
3 ALT CHANGE	R	R	R	R	R	R	Y	Y	Y	Y	R	R	DW	DW	DW	DW	DW	DW
PHASE 4	R	R	R	R	R	R	R	R	R	R	G	G	Y	Y	Y	DW	DW	DW
4 CHANGE	R	R	R	R	R	R	Y	Y	Y	Y	G	G	DW	DW	DW	DW	DW	DW
FLASHING OPERATION	FLY	FLY	FLY	FLY	FLY	FLY	FLY	FLY	FLY	FLY	FLY	FLY	DARK	DARK	DARK	DARK	DARK	DARK

WIRING DIAGRAM



SIGNAL PLAN

SCALE NONE DATE 2/9/2009 CONTRACT NO. XX4495185

DESIGNED BY SJW COUNTY MONTGOMERY
DRAWN BY RLO LOGMILE 15035508.79
CHECKED BY AJM T.I.M.S. NO. 1642
F.A.P. NO. TOD NO.

DRAWING NO. TS 2021B - GI SHEET NO. 2 OF 2